

NMR EXPERIMENT RESULTS

Carbon Atom	<sup>13</sup> CNMR (δppm)	<sup>1</sup> HNMR (δppm)	Multiplicity (J in HZ)	COSY ( <sup>1</sup> H— <sup>1</sup> H)
1	166.38			
2	124.47	5.96	d (15.2)	H-3,H-4
3	140.45	7.10	dd(15.2,10.8)	H-2,H-4
4	130.01	6.18	dd(15.2,10.6)	H-3,H-5
5	141.95	6.06	dt(14.8,6.8)	H-4,H-6
6	32.99	2.17	br quartet	H-7,H-5
7	29.50	1.52	m	H-6,H-8
8	32.64	2.06	m	H-7,H-9
9	131.91	5.54	m	H-8,H-11
10	130.80	5.54	m	H-8,H-11
11	39.32	3.25	d(5.2)	H-10,H-2', H-6'
1'	135.82		m	
2'	108.89	6.69		O-CH <sub>2</sub> -O
3'	148.72			
4'	146.83			
5'	109.70	6.74		H-6',O-CH <sub>2</sub> -O
6'	122.05	6.64		H-5',H-2', H-11
1''	47.45	3.08	t(6.6)	H-2'', NH
2''	29.22	1.78	7 line multiplet (6.4)	H-3'', H-4'', H-1''
3'',4''	20.56	0.9	d(6.8)	H-2''
O-CH <sub>2</sub> -O	101.78	5.94	s	H-5',H-2'
NH		7.1	br	H-1''

FIG. 1

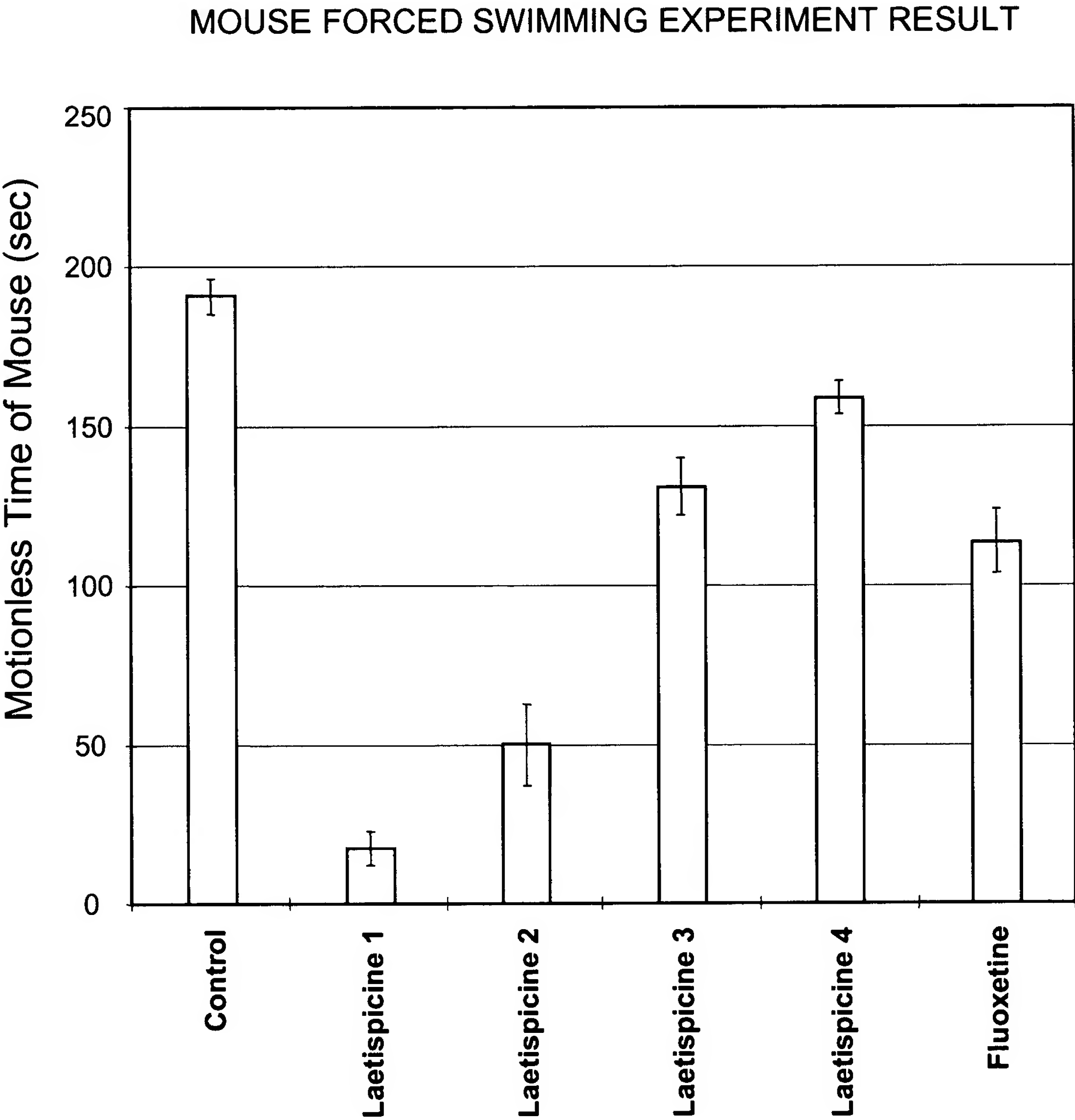


FIG. 2